

OIL SPILLS IN U.S. WATERS 2004

During 2004, some of the most significant oil spills included:

- On December 7, 2004, the crew of the M/V *SELENDANG AYU* reported that they had lost power and were adrift off Unalaska Island. Efforts to tow the vessel failed and it went aground and broke apart between Skan Bay and Spray Cape at approximately 6pm, December 8. The *SELENDANG AYU* carried approximately 424,000 gallons of intermediate fuel oil (IFO 380) and 18,000 gallons of marine diesel. Approximately 321,052 gallons of IFO 380 and 14,680 gallons of marine diesel and miscellaneous oils have been released into the environment. Approximately 60 thousand tons of soybeans were on board as cargo.
- At 1805 on Saturday, February 28, 2004 the chemical tanker BOW MARINER caught fire and exploded while the crew was engaged in tank cleaning. The ship sank by the bow at 1937 in position 37-52.8N/074-15.3W, about 45 nautical miles east of Virginia. Of the 27 crewmembers aboard, six abandoned ship, entered an inflatable life raft, and were rescued by the U.S. Coast Guard. An unknown number of other survivors abandoned ship to the water. The Coast Guard and Good Samaritan vessels recovered three crewmen from the water, one deceased. The other two died before reaching a hospital. 18 crewmen are missing and presumed dead. The vessel's cargo of ethyl alcohol (approximately 3.6 million gallons) was released, along with the vessel's heavy fuel oil, diesel fuel and slops, (approximately 329,678 gallons).
- On the 26th of November 2004, the M/V *ATHOS I* struck a submerged object while navigating the Delaware River, enroute to the Citgo refining facility in Paulsboro, New Jersey. Damage to the vessel caused approximately 263,371 gallons of crude oil to discharge into the Delaware River.
- On the 19th of March 2004, the tankship *ST HELEN* collided with the uninspected towing vessel *DAVID & COLLEEN* pushing tank barges *M-405* and *M-407* in the Houston Ship Channel. The *ST HELEN*, *M-405* and *M-407* sustained damage from the collision. Approximately 151,200 gallons of NAPTHA was spilled into Galveston Bay from the *M-407*.
- On December 10, 2004 there was a collision between the towing vessel *RITA M*, which was pushing two double hull tank barges, *MMI 605* and *MMI 3042*, and the towing vessel *THUNDER*, which was pushing the dry cargo barge *LIGHTNING*. The barge *MMI 605* sustained damage to the #2 and #3 port cargo tanks. Approximately 58,000 gallons of Gasoline Alkylate was spilled into the Houston Ship Channel.

SPILL SIZE	NUMBER OF SPILLS	% OF SPILL INCIDENTS	SPILL VOLUME (GALLONS)	% OF SPILL VOLUME	AVERAGE SPILL SIZE	MEDIAN SPILL SIZE	MAXIMUM SPILL SIZE
1 - 100 GALLONS	3677	94.40%	31,150	2.20%	9	1	100
101 - 1,000 GALLONS	170	4.40%	60,387	4.30%	355	248	1,000
1,001 - 3,000 GALLONS	34	0.90%	66,152	4.70%	1,946	2,000	3,000
3,001 - 5,000 GALLONS	2	0.10%	7,840	0.60%	3,920	3,920	4,340
5,001 - 10,000 GALLONS	4	0.10%	26,739	1.90%	6,685	6,620	8,000
10,001 - 50,000 GALLONS	5	0.10%	86,430	6.10%	17,286	17,430	22,000
50,001 - 100,000 GALLONS	1	0.00%	58,036	4.10%	58,036	58,036	58,036
100,001 - 1,000,000 GALLONS	4	0.10%	1,079,981	76.20%	269,995	296,525	335,732
YEAR-END STATISTICS	3897	100.00%	1,416,714	100.00%	364	2	335,732

**OIL SPILLS IN U.S. WATERS
2004**

WATERBODY	NUMBER OF SPILLS	% OF SPILL INCIDENTS	SPILL VOLUME (GALLONS)	% OF SPILL VOLUME	AVERAGE SPILL SIZE	MEDIAN SPILL SIZE	MAXIMUM SPILL SIZE
ATLANTIC OCEAN	31	0.80%	332,110	23.40%	10,713	5	329,678
PACIFIC OCEAN	143	3.70%	345,276	24.40%	2,415	2	335,732
GULF OF MEXICO	908	23.30%	31,935	2.30%	35	0	8,000
GREAT LAKES	77	2.00%	895	0.10%	12	2	150
LAKES	6	0.20%	93	0.00%	15	8	50
RIVERS & CANALS	1426	36.60%	163,841	11.60%	115	3	22,000
BAYS & SOUNDS	569	14.60%	35,797	2.50%	63	2	15,000
HARBORS	630	16.20%	504,321	35.60%	801	2	263,371
OTHER	107	2.70%	2,447	0.20%	23	4	500
YEAR-END STATISTICS	3897	100.00%	1,416,714	100.00%	364	2	335,732

LOCATION	NUMBER OF SPILLS	% OF SPILL INCIDENTS	SPILL VOLUME (GALLONS)	% OF SPILL VOLUME	AVERAGE SPILL SIZE	MEDIAN SPILL SIZE	MAXIMUM SPILL SIZE
INTERNAL/HEADLANDS	2542	65.20%	696,097	49.10%	274	2	263,371
COASTAL (0-3 MI)	314	8.10%	11,641	0.80%	37	2	2,500
CONTIGUOUS ZONE (3-12 MI)	698	17.90%	25,203	1.80%	36	0	8,000
OCEAN (12-200 MI)	178	4.60%	335,124	23.70%	1,883	0	329,678
OCEAN GENERAL	50	1.30%	8,844	0.60%	177	3	2,500
OTHER	115	3.00%	339,805	24.00%	2,955	5	335,732
YEAR-END STATISTICS	3897	100.00%	1,416,714	100.00%	364	2	335,732

MAJOR SOURCE OVERVIEW	NUMBER OF SPILLS	% OF SPILL INCIDENTS	SPILL VOLUME (GALLONS)	% OF SPILL VOLUME	AVERAGE SPILL SIZE	MEDIAN SPILL SIZE	MAXIMUM SPILL SIZE
TANKSHIP	35	0.90%	636,834	45.00%	18,195	1	329,678
TANKBARGE	143	3.70%	215,822	15.20%	1,509	3	151,200
ALL OTHER VESSELS	1527	39.20%	453,901	32.00%	297	3	335,732
FACILITIES	1099	28.20%	42,675	3.00%	39	1	2,100
PIPELINES	1	0.00%	15,000	1.10%	15,000	15,000	15,000
ALL OTHER NON-VESSEL SOURCES	37	0.90%	12,781	0.90%	345	5	12,000
UNKNOWN or OTHER	1055	27.10%	39,700	2.80%	38	1	8,000
YEAR-END STATISTICS	3897	100.00%	1,416,714	100.00%	364	2	335,732

**OIL SPILLS IN U.S. WATERS
2004**

DETAILED SOURCE	NUMBER OF SPILLS	% OF SPILL INCIDENTS	SPILL VOLUME (GALLONS)	% OF SPILL VOLUME	AVERAGE SPILL SIZE	MEDIAN SPILL SIZE	MAXIMUM SPILL SIZE
TANKSHIP	35	0.90%	636,834	45.00%	18,195	1	329,678
TANKBARGE	143	3.70%	215,822	15.20%	1,509	3	151,200
FISHING BOAT	360	9.20%	24,051	1.70%	67	5	3,500
FREIGHT BARGE	27	0.70%	644	0.00%	24	5	150
FREIGHT SHIP	76	2.00%	345,797	24.40%	4,550	5	335,732
INDUSTRIAL VESSEL	50	1.30%	1,003	0.10%	20	1	500
OIL RECOVERY	9	0.20%	52	0.00%	6	1	40
PASSENGER	105	2.70%	8,223	0.60%	78	2	2,200
PUBLIC VESSEL UNCLASSIFIED	22	0.60%	4,058	0.30%	185	2	2,500
RECREATIONAL	432	11.10%	6,714	0.50%	16	2	900
RESEARCH VESSEL	13	0.30%	277	0.00%	21	5	100
SCHOOL SHIP	1	0.00%	2	0.00%	2	2	2
TOWBOAT/TUGBOAT	304	7.80%	41,728	2.90%	137	5	6,400
UNCLASSIFIED VESSEL	11	0.30%	164	0.00%	15	1	50
MODU	33	0.80%	124	0.00%	4	1	48
OSV	84	2.20%	21,065	1.50%	251	5	20,000
DESIGNATED WATERFRONT FACILITY	413	10.60%	31,924	2.30%	77	4	2,100
LAND FACILITY NONMARINE	1	0.00%	2	0.00%	2	2	2
OTHER ONSHORE MARINE FACILITY	18	0.50%	377	0.00%	21	1	333
FIXED PLATFORM	650	16.70%	10,260	0.70%	16	0	1,722
MOBILE FACILITY	17	0.40%	113	0.00%	7	2	50
ONSHORE PIPELINE	1	0.00%	15,000	1.10%	15,000	15,000	15,000
BRIDGE	2	0.10%	42	0.00%	21	21	40
FACTORY	1	0.00%	30	0.00%	30	30	30
FLEETING AREA	3	0.10%	42	0.00%	14	1	40
MARINA	23	0.60%	609	0.00%	27	5	150
OUTFALL/SEWER/DRAIN	2	0.10%	12,020	0.80%	6,010	6,010	12,000
SHIPYARD/REPAIR FACILITY	6	0.20%	38	0.00%	6	3	15
UNKNOWN or OTHER	1055	27.10%	39,700	2.80%	38	1	8,000
YEAR-END STATISTICS	3897	100.00%	1,416,714	100.00%	364	2	335,732

OIL TYPE	NUMBER OF SPILLS	% OF SPILL INCIDENTS	SPILL VOLUME (GALLONS)	% OF SPILL VOLUME	AVERAGE SPILL SIZE	MEDIAN SPILL SIZE	MAXIMUM SPILL SIZE
CRUDE OILS	595	15.30%	310,937	21.90%	523	1	263,371
HEAVY FUEL OILS	68	1.70%	24,439	1.70%	359	5	17,430
INTERMEDIATE FUEL OILS	1163	29.80%	463,308	32.70%	398	5	335,732
GASOLINE PRODUCTS	109	2.80%	18,737	1.30%	172	1	15,000
OTHER PETROLEUM OILS	1939	49.80%	598,808	42.30%	309	1	329,678
NON-PETROLEUM OILS	23	0.60%	485	0.00%	21	5	200
YEAR-END STATISTICS	3897	100.00%	1,416,714	100.00%	364	2	335,732

**OIL SPILLS IN U.S. WATERS
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MONTH	NUMBER OF SPILLS	% OF SPILL INCIDENTS	SPILL VOLUME (GALLONS)	% OF SPILL VOLUME	AVERAGE SPILL SIZE	MEDIAN SPILL SIZE	MAXIMUM SPILL SIZE
JANUARY	278	7.10%	18,200	1.30%	66	2	2,730
FEBRUARY	289	7.40%	378,402	26.70%	1,309	3	329,678
MARCH	304	7.80%	164,552	11.60%	541	2	151,200
APRIL	292	7.50%	13,544	1.00%	46	2	2,800
MAY	330	8.50%	21,913	1.50%	66	2	5,500
JUNE	386	9.90%	14,001	1.00%	36	2	3,500
JULY	438	11.20%	31,381	2.20%	72	1	15,000
AUGUST	345	8.90%	43,233	3.10%	125	1	17,430
SEPTEMBER	310	8.00%	14,927	1.10%	48	1	2,400
OCTOBER	360	9.20%	20,926	1.50%	58	1	8,000
NOVEMBER	303	7.80%	289,628	20.40%	956	2	263,371
DECEMBER	262	6.70%	406,008	28.70%	1,550	1	335,732
YEAR-END STATISTICS	3897	100.00%	1,416,714	100.00%	364	2	335,732

COAST GUARD DISTRICT	NUMBER OF SPILLS	% OF SPILL INCIDENTS	SPILL VOLUME (GALLONS)	% OF SPILL VOLUME	AVERAGE SPILL SIZE	MEDIAN SPILL SIZE	MAXIMUM SPILL SIZE
FIRST	205	5.30%	24,542	1.70%	120	5	15,000
FIFTH	258	6.60%	606,771	42.80%	2,352	5	329,678
SEVENTH	253	6.50%	14,804	1.00%	59	5	6,839
EIGHTH	2056	52.80%	376,373	26.60%	183	1	151,200
NINTH	177	4.50%	16,892	1.20%	95	5	12,000
ELEVENTH	276	7.10%	13,924	1.00%	51	2	2,000
THIRTEENTH	337	8.60%	4,264	0.30%	13	1	1,000
FOURTEENTH	103	2.60%	10,706	0.80%	104	2	3,500
SEVENTEENTH	232	6.00%	348,439	24.60%	1,502	2	335,732
YEAR-END STATISTICS	3897	100.00%	1,416,714	100.00%	364	2	335,732

**OIL SPILLS IN U.S. WATERS
2004**

STATE	NUMBER OF SPILLS	% OF SPILL INCIDENTS	SPILL VOLUME (GALLONS)	% OF SPILL VOLUME	AVERAGE SPILL SIZE	MEDIAN SPILL SIZE	MAXIMUM SPILL SIZE
Alaska	229	5.90%	348,373	24.60%	1,521	2	335,732
Alabama	30	0.80%	1,491	0.10%	50	20	250
Arkansas	4	0.10%	2,017	0.10%	504	8	2,000
American Samoa	6	0.20%	2,605	0.20%	434	25	2,500
Arizona	2	0.10%	2	0.00%	1	1	1
California	263	6.70%	13,550	1.00%	52	2	2,000
Conneticut	7	0.20%	15,661	1.10%	2,237	25	15,000
District of Columbia	5	0.10%	535	0.00%	107	5	500
Delaware	10	0.30%	628	0.00%	63	5	500
Florida	280	7.20%	7,747	0.50%	28	2	1,000
Georiga	12	0.30%	6,994	0.50%	583	10	6,839
Guam	13	0.30%	159	0.00%	12	5	84
Hawaii	82	2.10%	4,439	0.30%	54	2	1,764
Illinois	39	1.00%	1,052	0.10%	27	3	300
Indiana	35	0.90%	8,355	0.60%	239	1	5,500
Kentucky	29	0.70%	7,562	0.50%	261	2	6,400
Louisiana	1104	28.30%	91,135	6.40%	83	1	22,000
Massachuetts	28	0.70%	2,813	0.20%	101	10	1,217
Maryland	89	2.30%	1,671	0.10%	19	2	500
Maine	18	0.50%	1,106	0.10%	61	3	1,000
Michigan	78	2.00%	14,798	1.00%	190	3	12,000
Minnesota	17	0.40%	200	0.00%	12	2	75
Missouri	4	0.10%	202	0.00%	51	26	150
North Mariana Islands	1	0.00%	3,500	0.20%	3,500	3,500	3,500
Mississippi	25	0.60%	5,351	0.40%	214	10	2,500
North Carolina	32	0.80%	415	0.00%	13	5	100
New Hampshire	5	0.10%	126	0.00%	25	20	50
New Jersey	94	2.40%	266,013	18.80%	2,830	5	263,371
New York	83	2.10%	2,665	0.20%	32	4	1,200
Ohio	48	1.20%	2,521	0.20%	53	11	1,123
Oregon	30	0.80%	520	0.00%	17	2	300
Pennsylvania	16	0.40%	4,109	0.30%	257	23	2,656
Puerto Rico	10	0.30%	500	0.00%	50	15	400
Rhode Island	36	0.90%	503	0.00%	14	4	250
South Carolina	14	0.40%	176	0.00%	13	5	50
Tennessee	11	0.30%	112	0.00%	10	3	50
Texas	336	8.60%	235,408	16.60%	701	1	151,200
Virginia	67	1.70%	8,204	0.60%	122	5	3,000
Virgin Islands	10	0.30%	88	0.00%	9	4	42
Washington	305	7.80%	3,742	0.30%	12	1	1,000
Wisconsin	20	0.50%	124	0.00%	6	1	50
West Virginia	3	0.10%	50	0.00%	17	15	25
Unknown or beyond state waters	367	9.40%	349,496	24.70%	952	0	329,678
YEAR-END STATISTICS	3897	100.00%	1,416,714	100.00%	364	2	335,732

CHEMICAL SPILLS IN U.S. WATERS (in gallons)
2004

During 2004, the most significant liquid chemical spills included:

- At 1805 on Saturday, February 28, 2004 the chemical tanker *BOW MARINER* caught fire and exploded while the crew was engaged in tank cleaning. The ship sank by the bow at 1937 in position 37-52.8N/074-15.3W, about 45 nautical miles east of Virginia. Of the 27 crewmembers aboard, six abandoned ship, entered an inflatable life raft, and were rescued by the U.S. Coast Guard. An unknown number of other survivors abandoned ship to the water. The Coast Guard and Good Samaritan vessels recovered three crewmen from the water, one deceased. The other two died before reaching a hospital. 18 crewmen are missing and presumed dead. The vessel's cargo of ethyl alcohol (approximately 3.6 million gallons) was released, along with the vessel's heavy fuel oil, diesel fuel and slops, (approximately 329,678 gallons).
- August 24, 2004 – Approximately 35,700 gallons of toluene was discharged into the Corpus Christi inner harbor from the *Flint Hills Resources* facility. The cause of the spill was a broken pipe, which leaked into a drainage ditch on the facility.

SPILL SIZE	NUMBER OF SPILLS	% OF SPILL INCIDENTS	SPILL VOLUME (GALLONS)	% OF SPILL VOLUME	AVERAGE SPILL SIZE	MEDIAN SPILL SIZE	MAXIMUM SPILL SIZE
1 - 100 GALLONS	34	85.00%	698	0.00%	21	7	100
101 - 1,000 GALLONS	1	2.50%	200	0.00%	200	200	200
1,001 - 3,000 GALLONS	1	2.50%	2,400	0.10%	2,400	2,400	2,400
10,001 - 50,000 GALLONS	3	7.50%	64,700	1.70%	21,567	17,000	35,700
1,000,000 + GALLONS	1	2.50%	3,629,526	98.20%	3,629,526	3,629,526	3,629,526
YEAR-END STATISTICS	40	100.00%	3,697,525	100.00%	92,438	18	3,629,526

WATERBODY	NUMBER OF SPILLS	% OF SPILL INCIDENTS	SPILL VOLUME (GALLONS)	% OF SPILL VOLUME	AVERAGE SPILL SIZE	MEDIAN SPILL SIZE	MAXIMUM SPILL SIZE
ATLANTIC OCEAN	1	2.50%	3,629,526	98.20%	3,629,526	3,629,526	3,629,526
PACIFIC OCEAN	1	2.50%	200	0.00%	200	200	200
GULF OF MEXICO	9	22.50%	182	0.00%	20	5	80
RIVERS & CANALS	16	40.00%	12,413	0.30%	776	25	12,000
BAYS & SOUNDS	9	22.50%	35,797	1.00%	3,977	3	35,700
HARBORS	3	7.50%	2,406	0.10%	802	5	2,400
OTHER	1	2.50%	17,000	0.50%	17,000	17,000	17,000
YEAR-END STATISTICS	40	100.00%	3,697,525	100.00%	92,438	18	3,629,526

LOCATION	NUMBER OF SPILLS	% OF SPILL INCIDENTS	SPILL VOLUME (GALLONS)	% OF SPILL VOLUME	AVERAGE SPILL SIZE	MEDIAN SPILL SIZE	MAXIMUM SPILL SIZE
INTERNAL/HEADLANDS	28	70.00%	50,616	1.40%	1,808	18	35,700
CONTIGUOUS ZONE (3-12 MI)	7	17.50%	180	0.00%	26	8	80
OCEAN (12-200 MI)	3	7.50%	3,629,528	98.20%	1,209,843	2	3,629,526
OCEAN GENERAL	1	2.50%	200	0.00%	200	200	200
OTHER	1	2.50%	17,000	0.50%	17,000	17,000	17,000
YEAR-END STATISTICS	40	100.00%	3,697,525	100.00%	92,438	18	3,629,526

CHEMICAL SPILLS IN U.S. WATERS (in gallons)
2004

MAJOR SOURCE OVERVIEW	NUMBER OF SPILLS	% OF SPILL INCIDENTS	SPILL VOLUME (GALLONS)	% OF SPILL VOLUME	AVERAGE SPILL SIZE	MEDIAN SPILL SIZE	MAXIMUM SPILL SIZE
TANKSHIP	3	7.50%	3,629,537	98.20%	1,209,846	10	3,629,526
TANKBARGE	2	5.00%	12,020	0.30%	6,010	6,010	12,000
ALL OTHER VESSELS	18	45.00%	19,663	0.50%	1,092	4	17,000
FACILITIES	10	25.00%	36,109	1.00%	3,611	28	35,700
UNKNOWN or OTHER	7	17.50%	195	0.00%	28	5	100
YEAR-END STATISTICS	40	100.00%	3,697,525	100.00%	92,438	18	3,629,526

DETAILED SOURCE	NUMBER OF SPILLS	% OF SPILL INCIDENTS	SPILL VOLUME (GALLONS)	% OF SPILL VOLUME	AVERAGE SPILL SIZE	MEDIAN SPILL SIZE	MAXIMUM SPILL SIZE
TANKSHIP	3	7.50%	3,629,537	98.20%	1,209,846	10	3,629,526
TANKBARGE	2	5.00%	12,020	0.30%	6,010	6,010	12,000
FREIGHT SHIP	1	2.50%	17,000	0.50%	17,000	17,000	17,000
PASSENGER	2	5.00%	2,425	0.10%	1,213	1,213	2,400
MODU	5	12.50%	62	0.00%	13	2	55
OSV	10	25.00%	176	0.00%	18	3	80
DESIGNATED WATERFRONT FACILITY	6	15.00%	35,850	1.00%	5,975	38	35,700
LAND FACILITY NONMARINE	1	2.50%	200	0.00%	200	200	200
FIXED PLATFORM	2	5.00%	29	0.00%	15	15	21
MUNICIPAL FACILITY	1	2.50%	30	0.00%	30	30	30
UNKNOWN or OTHER	7	17.50%	195	0.00%	28	5	100
YEAR-END STATISTICS	40	100.00%	3,697,525	100.00%	92,438	18	3,629,526

MONTH	NUMBER OF SPILLS	% OF SPILL INCIDENTS	SPILL VOLUME (GALLONS)	% OF SPILL VOLUME	AVERAGE SPILL SIZE	MEDIAN SPILL SIZE	MAXIMUM SPILL SIZE
JANUARY	1	2.50%	2	0.00%	2	2	2
FEBRUARY	4	10.00%	3,646,596	98.60%	911,649	8,525	3,629,526
MARCH	4	10.00%	35	0.00%	9	5	25
APRIL	3	7.50%	130	0.00%	43	30	100
MAY	5	12.50%	149	0.00%	30	8	80
JUNE	3	7.50%	201	0.00%	67	1	200
JULY	7	17.50%	14,486	0.40%	2,069	15	12,000
AUGUST	1	2.50%	35,700	1.00%	35,700	35,700	35,700
SEPTEMBER	4	10.00%	60	0.00%	15	14	30
OCTOBER	1	2.50%	0	0.00%	0	0	0
NOVEMBER	3	7.50%	92	0.00%	31	21	70
DECEMBER	4	10.00%	73	0.00%	18	15	42
YEAR-END STATISTICS	40	100.00%	3,697,525	100.00%	92,438	18	3,629,526

COAST GUARD DISTRICT	NUMBER OF SPILLS	% OF SPILL INCIDENTS	SPILL VOLUME (GALLONS)	% OF SPILL VOLUME	AVERAGE SPILL SIZE	MEDIAN SPILL SIZE	MAXIMUM SPILL SIZE
FIRST	2	5.00%	2,425	0.10%	1,213	1,213	2,400
FIFTH	1	2.50%	3,629,526	98.20%	3,629,526	3,629,526	3,629,526
SEVENTH	2	5.00%	17,030	0.50%	8,515	8,515	17,000
EIGHTH	29	72.50%	36,208	1.00%	1,249	5	35,700
NINTH	2	5.00%	12,100	0.30%	6,050	6,050	12,000
ELEVENTH	2	5.00%	205	0.00%	103	103	200
THIRTEENTH	2	5.00%	30	0.00%	15	15	25
YEAR-END STATISTICS	40	100.00%	3,697,525	100.00%	92,438	18	3,629,526

CHEMICAL SPILLS IN U.S. WATERS (in gallons)
2004

STATE	NUMBER OF SPILLS	% OF SPILL INCIDENTS	SPILL VOLUME (GALLONS)	% OF SPILL VOLUME	AVERAGE SPILL SIZE	MEDIAN SPILL SIZE	MAXIMUM SPILL SIZE
Alabama	1	2.50%	50	0.00%	50	50	50
California	2	5.00%	205	0.00%	103	103	200
Connecticut	2	5.00%	2,425	0.10%	1,213	1,213	2,400
Louisiana	16	40.00%	182	0.00%	11	2	80
New York	1	2.50%	12,000	0.30%	12,000	12,000	12,000
Ohio	1	2.50%	100	0.00%	100	100	100
Oregon	2	5.00%	30	0.00%	15	15	25
Pennsylvania	1	2.50%	25	0.00%	25	25	25
South Carolina	1	2.50%	30	0.00%	30	30	30
Texas	7	17.50%	35,861	1.00%	5,123	20	35,700
Unknown or beyond state waters	6	15.00%	3,646,617	98.60%	607,770	43	3,629,526
YEAR-END STATISTICS	40	100.00%	3,697,525	100.00%	92,438	18	3,629,526

CHEMICALSPILLS IN U.S. WATERS (in pounds)
2004

During 2004, the chemical spills included:

- October 30, 2004 -.A storage tank collapsed at the Kinder-Morgan facility in Carteret, New Jersey. As a result, approximately 5.3 million gallons of sodium hydroxide entered the Arthur Kill waterway.

SPILL SIZE	NUMBER OF SPILLS	% OF SPILL INCIDENTS	SPILL VOLUME (POUNDS)	% OF SPILL VOLUME	AVERAGE SPILL SIZE	MEDIAN SPILL SIZE	MAXIMUM SPILL SIZE
1 - 100 POUNDS	4	50.00%	58	0.00%	15	18	22
101 - 1,000 POUNDS	1	12.50%	147	0.00%	147	147	147
1,001 - 3,000 POUNDS	1	12.50%	1,438	0.00%	1,438	1,438	1,438
10,001 - 50,000 POUNDS	1	12.50%	10,800	0.20%	10,800	10,800	10,800
1,000,000 + POUNDS	1	12.50%	5,335,650	99.80%	5,335,650	5,335,650	5,335,650
YEAR-END STATISTICS	8	100.00%	5,348,093	100.00%	668,512	85	5,335,650

WATERBODY	NUMBER OF SPILLS	% OF SPILL INCIDENTS	SPILL VOLUME (POUNDS)	% OF SPILL VOLUME	AVERAGE SPILL SIZE	MEDIAN SPILL SIZE	MAXIMUM SPILL SIZE
GULF OF MEXICO	2	25.00%	10,820	0.20%	5,410	5,410	10,800
RIVERS & CANALS	2	25.00%	5,335,797	99.80%	2,667,899	2,667,899	5,335,650
HARBORS	3	37.50%	1,461	0.00%	487	22	1,438
OTHER	1	12.50%	15	0.00%	15	15	15
YEAR-END STATISTICS	8	100.00%	5,348,093	100.00%	668,512	85	5,335,650

LOCATION	NUMBER OF SPILLS	% OF SPILL INCIDENTS	SPILL VOLUME (POUNDS)	% OF SPILL VOLUME	AVERAGE SPILL SIZE	MEDIAN SPILL SIZE	MAXIMUM SPILL SIZE
INTERNAL/HEADLANDS	5	62.50%	5,337,258	99.80%	1,067,452	147	5,335,650
CONTIGUOUS ZONE (3-12 MI)	1	12.50%	10,800	0.20%	10,800	10,800	10,800
OCEAN (12-200 MI)	1	12.50%	20	0.00%	20	20	20
OTHER	1	12.50%	15	0.00%	15	15	15
YEAR-END STATISTICS	8	100.00%	5,348,093	100.00%	668,512	85	5,335,650

DETAILED SOURCE	NUMBER OF SPILLS	% OF SPILL INCIDENTS	SPILL VOLUME (POUNDS)	% OF SPILL VOLUME	AVERAGE SPILL SIZE	MEDIAN SPILL SIZE	MAXIMUM SPILL SIZE
TANKBARGE	1	12.50%	22	0.00%	22	22	22
MODU	1	12.50%	20	0.00%	20	20	20
OSV	1	12.50%	10,800	0.20%	10,800	10,800	10,800
DESIGNATED WATERFRONT FACILITY	3	37.50%	5,337,235	99.80%	1,779,078	1,438	5,335,650
UNKNOWN or OTHER	2	25.00%	16	0.00%	8	8	15
YEAR-END STATISTICS	8	100.00%	5,348,093	100.00%	668,512	85	5,335,650

CHEMICALSPILLS IN U.S. WATERS (in pounds)
2004

MONTH	NUMBER OF SPILLS	% OF SPILL INCIDENTS	SPILL VOLUME (POUNDS)	% OF SPILL VOLUME	AVERAGE SPILL SIZE	MEDIAN SPILL SIZE	MAXIMUM SPILL SIZE
JANUARY	2	25.00%	1,585	0.00%	793	793	1,438
FEBRUARY	2	25.00%	35	0.00%	18	18	20
MARCH	1	12.50%	1	0.00%	1	1	1
OCTOBER	2	25.00%	5,335,672	99.80%	2,667,836	2,667,836	5,335,650
NOVEMBER	1	12.50%	10,800	0.20%	10,800	10,800	10,800
YEAR-END STATISTICS	8	100.00%	5,348,093	100.00%	668,512	85	5,335,650

COAST GUARD DISTRICT	NUMBER OF SPILLS	% OF SPILL INCIDENTS	SPILL VOLUME (POUNDS)	% OF SPILL VOLUME	AVERAGE SPILL SIZE	MEDIAN SPILL SIZE	MAXIMUM SPILL SIZE
FIRST	1	12.50%	5,335,650	99.80%	5,335,650	5,335,650	5,335,650
FIFTH	1	12.50%	15	0.00%	15	15	15
EIGHTH	5	62.50%	12,427	0.20%	2,485	147	10,800
SEVENTEENTH	1	12.50%	1	0.00%	1	1	1
YEAR-END STATISTICS	8	100.00%	5,348,093	100.00%	668,512	85	5,335,650

STATE	NUMBER OF SPILLS	% OF SPILL INCIDENTS	SPILL VOLUME (POUNDS)	% OF SPILL VOLUME	AVERAGE SPILL SIZE	MEDIAN SPILL SIZE	MAXIMUM SPILL SIZE
Alaska	1	12.50%	1	0.00%	1	1	1
Louisiana	3	37.50%	10,967	0.20%	3,656	147	10,800
New Jersey	1	12.50%	5,335,650	99.80%	5,335,650	5,335,650	5,335,650
Texas	2	25.00%	1,460	0.00%	730	730	1,438
Virginia	1	12.50%	15	0.00%	15	15	15
YEAR-END STATISTICS	8	100.00%	5,348,093	100.00%	668,512	85	5,335,650

OTHER SPILLS IN U.S. WATERS (in gallons)
2004

SPILL SIZE	NUMBER OF SPILLS	% OF SPILL INCIDENTS	SPILL VOLUME (GALLONS)	% OF SPILL VOLUME	AVERAGE SPILL SIZE	MEDIAN SPILL SIZE	MAXIMUM SPILL SIZE
1 - 100 GALLONS	77	98.70%	676	57.50%	9	1	50
101 - 1,000 GALLONS	1	1.30%	500	42.50%	500	500	500
YEAR-END STATISTICS	78	100.00%	1,176	100.00%	15	1	500

WATERBODY	NUMBER OF SPILLS	% OF SPILL INCIDENTS	SPILL VOLUME (GALLONS)	% OF SPILL VOLUME	AVERAGE SPILL SIZE	MEDIAN SPILL SIZE	MAXIMUM SPILL SIZE
PACIFIC OCEAN	2	2.60%	2	0.20%	1	1	1
GULF OF MEXICO	24	30.80%	192	16.30%	8	0	50
GREAT LAKES	1	1.30%	5	0.40%	5	5	5
RIVERS & CANALS	22	28.20%	789	67.10%	36	3	500
BAYS & SOUNDS	5	6.40%	9	0.80%	2	1	5
HARBORS	18	23.10%	144	12.30%	8	1	42
OTHER	6	7.70%	34	2.90%	6	1	30
YEAR-END STATISTICS	78	100.00%	1,176	100.00%	15	1	500

LOCATION	NUMBER OF SPILLS	% OF SPILL INCIDENTS	SPILL VOLUME (GALLONS)	% OF SPILL VOLUME	AVERAGE SPILL SIZE	MEDIAN SPILL SIZE	MAXIMUM SPILL SIZE
INTERNAL/HEADLANDS	43	55.10%	946	80.50%	22	1	500
COASTAL (0-3 MI)	5	6.40%	4	0.30%	1	1	1
CONTIGUOUS ZONE (3-12 MI)	23	29.50%	191	16.30%	8	0	50
OCEAN (12-200 MI)	1	1.30%	1	0.10%	1	1	1
OTHER	6	7.70%	34	2.90%	6	1	30
YEAR-END STATISTICS	78	100.00%	1,176	100.00%	15	1	500

DETAILED SOURCE	NUMBER OF SPILLS	% OF SPILL INCIDENTS	SPILL VOLUME (GALLONS)	% OF SPILL VOLUME	AVERAGE SPILL SIZE	MEDIAN SPILL SIZE	MAXIMUM SPILL SIZE
PUBLIC VESSEL UNCLASSIFIED	1	1.30%	0	0.00%	0	0	0
RECREATIONAL	1	1.30%	3	0.30%	3	3	3
MODU	1	1.30%	0	0.00%	0	0	0
DESIGNATED WATERFRONT FACILITY	4	5.10%	42	3.60%	11	6	30
FIXED PLATFORM	1	1.30%	1	0.10%	1	1	1
UNKNOWN or OTHER	70	89.70%	1,130	96.10%	16	1	500
YEAR-END STATISTICS	78	100.00%	1,176	100.00%	15	1	500

MONTH	NUMBER OF SPILLS	% OF SPILL INCIDENTS	SPILL VOLUME (GALLONS)	% OF SPILL VOLUME	AVERAGE SPILL SIZE	MEDIAN SPILL SIZE	MAXIMUM SPILL SIZE
JANUARY	11	14.10%	50	4.30%	5	1	42
FEBRUARY	1	1.30%	42	3.60%	42	42	42
MARCH	2	2.60%	1	0.10%	1	1	1
APRIL	5	6.40%	47	4.00%	9	1	42
MAY	5	6.40%	127	10.80%	25	42	42
JUNE	4	5.10%	3	0.30%	1	1	1
JULY	16	20.50%	99	8.40%	6	1	40
AUGUST	12	15.40%	597	50.80%	50	2	500
SEPTEMBER	8	10.30%	90	7.70%	11	1	42
OCTOBER	3	3.80%	3	0.20%	1	1	1
NOVEMBER	5	6.40%	73	6.20%	15	3	42
DECEMBER	6	7.70%	44	3.80%	7	3	30
YEAR-END STATISTICS	78	100.00%	1,176	100.00%	15	1	500

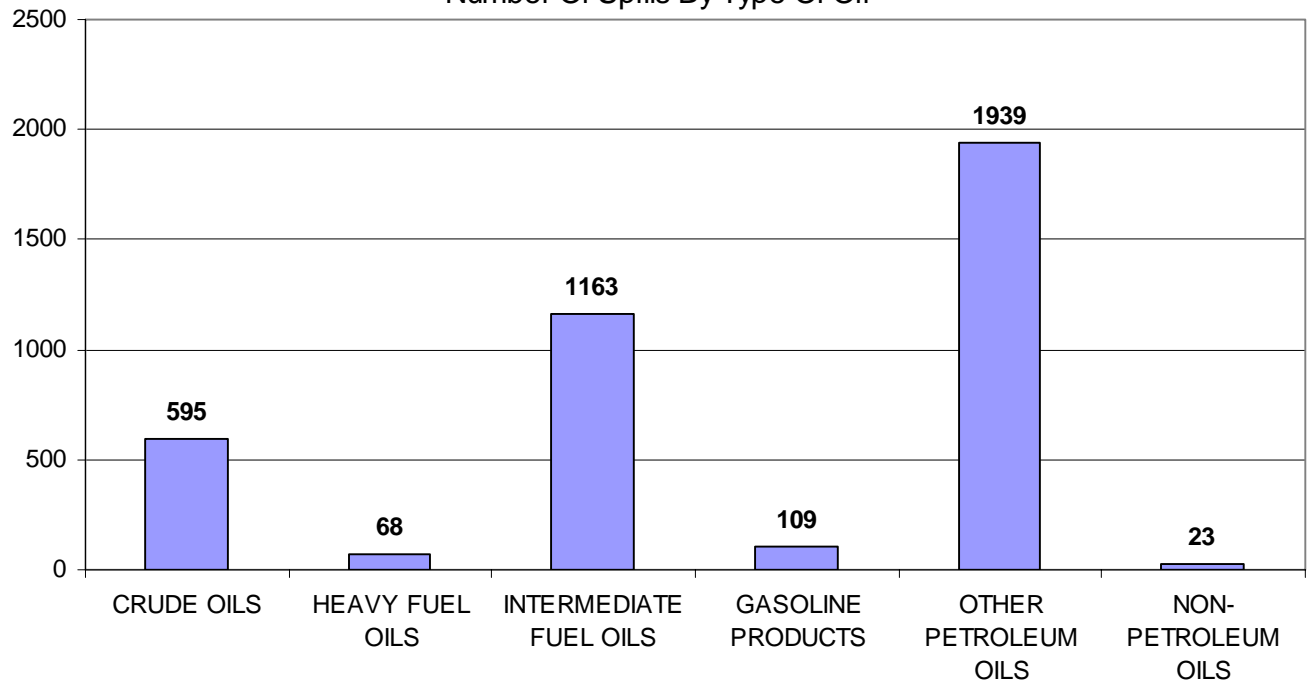
OTHER SPILLS IN U.S. WATERS (in gallons)
2004

COAST GUARD DISTRICT	NUMBER OF SPILLS	% OF SPILL INCIDENTS	SPILL VOLUME (GALLONS)	% OF SPILL VOLUME	AVERAGE SPILL SIZE	MEDIAN SPILL SIZE	MAXIMUM SPILL SIZE
FIRST	7	9.00%	24	2.00%	3	1	10
FIFTH	6	7.70%	37	3.10%	6	1	30
SEVENTH	2	2.60%	3	0.30%	2	2	2
EIGHTH	36	46.20%	268	22.80%	7	1	50
NINTH	3	3.80%	57	4.80%	19	10	42
ELEVENTH	10	12.80%	70	5.90%	7	1	42
THIRTEENTH	11	14.10%	215	18.30%	20	1	42
FOURTEENTH	1	1.30%	1	0.10%	1	1	1
SEVENTEENTH	2	2.60%	501	42.60%	251	251	500
YEAR-END STATISTICS	78	100.00%	1,176	100.00%	15	1	500

STATE	NUMBER OF SPILLS	% OF SPILL INCIDENTS	SPILL VOLUME (GALLONS)	% OF SPILL VOLUME	AVERAGE SPILL SIZE	MEDIAN SPILL SIZE	MAXIMUM SPILL SIZE
Alaska	1	1.30%	500	42.50%	500	500	500
California	9	11.50%	70	5.90%	8	1	42
Florida	1	1.30%	2	0.20%	2	2	2
Hawaii	1	1.30%	1	0.10%	1	1	1
Indiana	1	1.30%	1	0.10%	1	1	1
Louisiana	16	20.50%	119	10.20%	8	0	50
Massachusetts	1	1.30%	5	0.40%	5	5	5
Maryland	2	2.60%	2	0.20%	1	1	1
Michigan	1	1.30%	5	0.40%	5	5	5
New Jersey	7	9.00%	47	4.00%	7	1	30
New York	4	5.10%	49	4.20%	12	3	42
Oregon	6	7.70%	211	17.90%	35	42	42
Puerto Rico	1	1.30%	1	0.10%	1	1	1
Texas	8	10.30%	75	6.30%	9	1	42
Washington	5	6.40%	4	0.30%	1	1	1
Wisconsin	1	1.30%	10	0.90%	10	10	10
Unknown or beyond state waters	13	16.70%	74	6.30%	6	0	42
YEAR-END STATISTICS	78	100.00%	1,176	100.00%	15	1	500

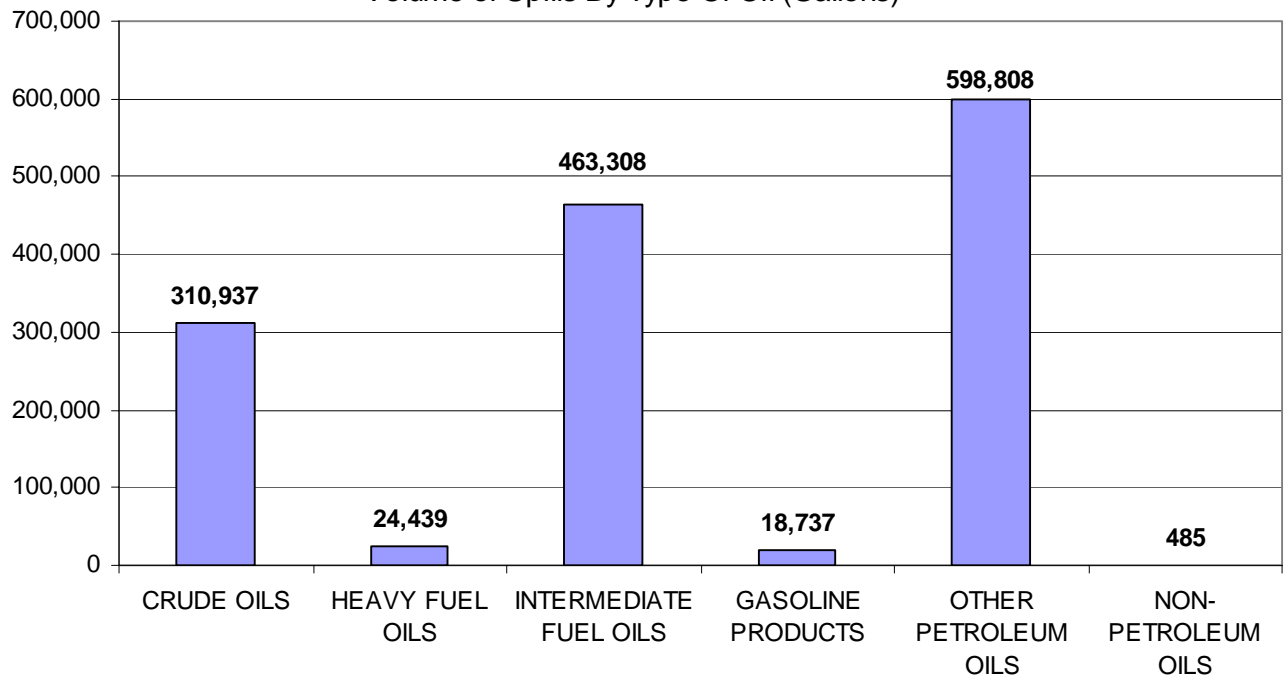
Oil Spills In U.S. Waters 2004

Number Of Spills By Type Of Oil



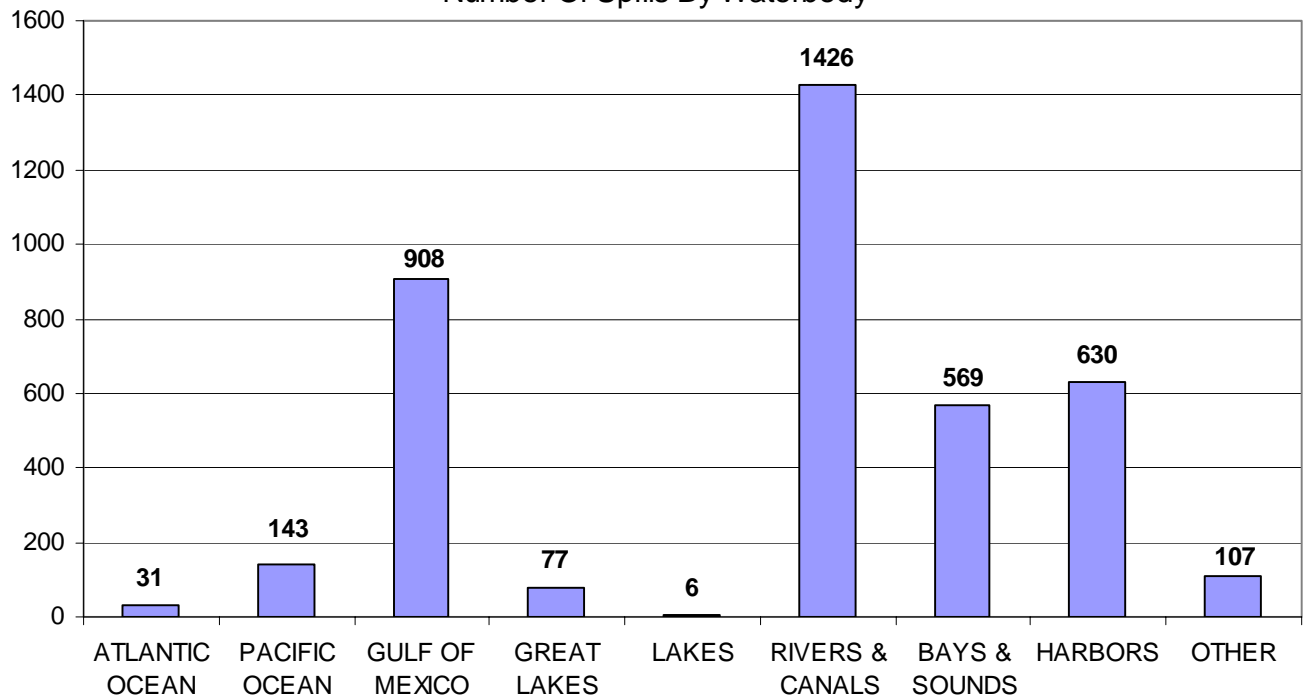
Oil Spills In U.S. Waters 2004

Volume of Spills By Type Of Oil (Gallons)



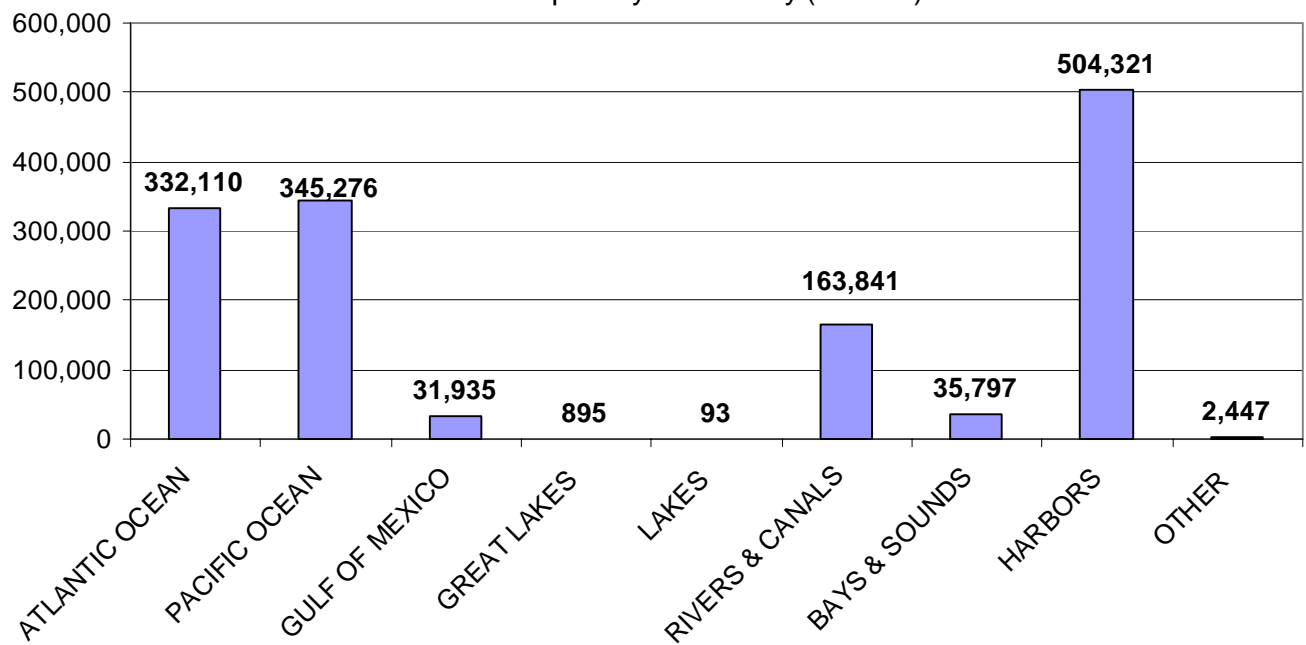
Oil Spills In U.S. Waters 2004

Number Of Spills By Waterbody



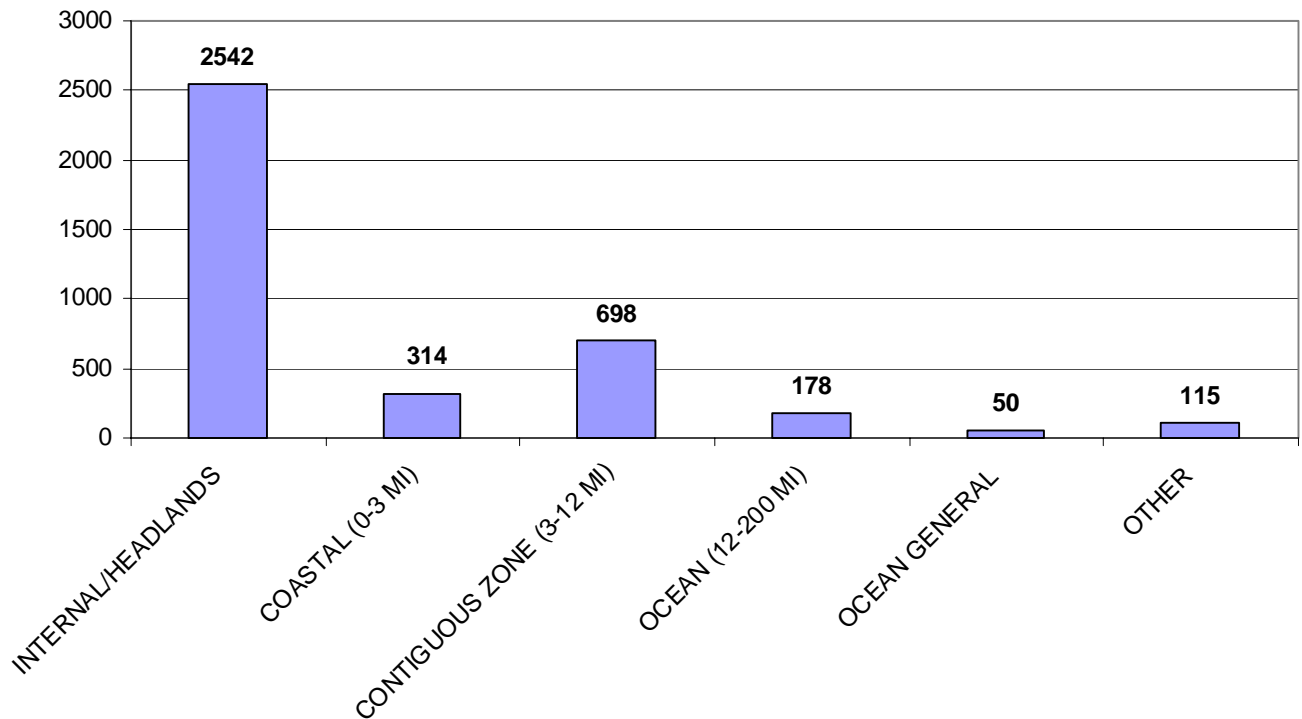
Oil Spills In U.S. Waters 2004

Volume Of Spills By Waterbody (Gallons)



Oil Spills In U.S. Waters 2004

Number Of Spills By Location



Oil Spills In U.S. Waters 2004

Volume Of Spills By Location (Gallons)

